

# SEZAKI LAB.

## Urban Sensing and Ubiquitous Computing



Department of Informatics and Electronics

Information and Communication Engineering

Department of Information and Communication Engineering, GSIST  
Socio-Cultural Environmental Studies, GSFS

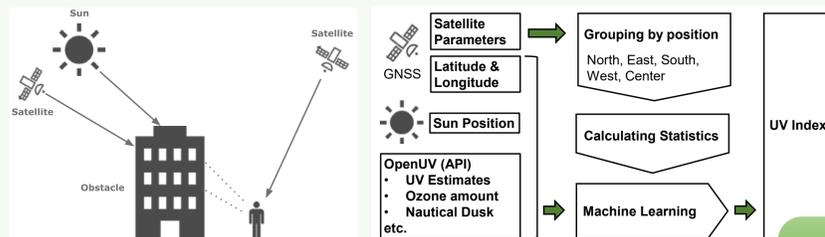
<https://www.mcl.iis.u-tokyo.ac.jp/>

Research topics:

1. to consider the support of the creative social activities, which utilize networks, and the creation of new applications
2. to operate the network element, system technology and system development of various applications

### Behavioral Change & Well-being

UV index estimation leveraging correlation between GNSS satellite signal and obstacle distribution around the user



Societal Transformation

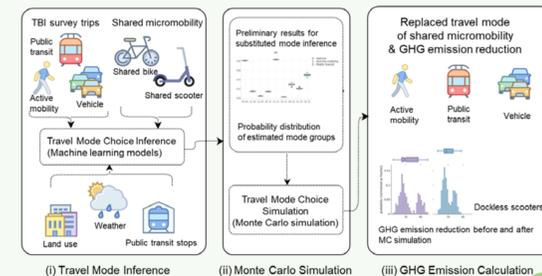
### Mobile & Wearable Sensing

Detecting Childcare Activities Using Wearable Devices



### Spatial Analytics

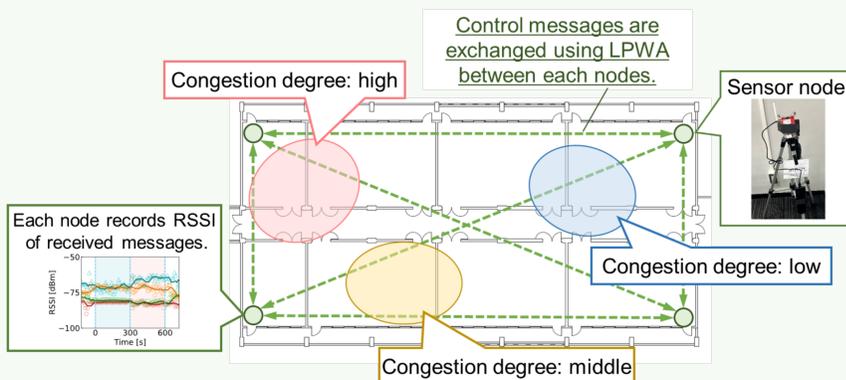
Estimation of Greenhouse Gas Emission Reduction by Shared Micromobility System



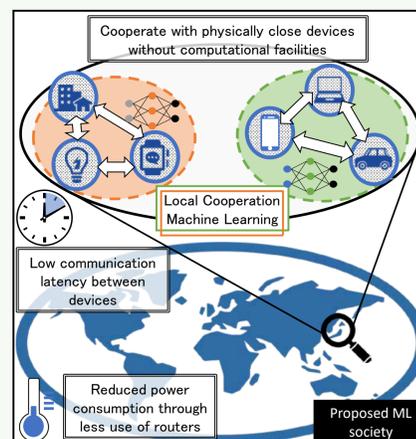
Analysis & Estimation

### Wireless Sensor Networks & Decentralized Learning

Wireless Sensing for Congestion Estimation Using Wireless Sensor Networks



Concept of Zero-km Data for Decentralized Learning



Fundamental Technology

